TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	PHSIP-2(237)	2

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	202-03	REMOVAL OF RIGID PAVEMENT, ASPHALT, ETC.	S.Y.	250
(1)	209-03.21	FILTER SOCK (12 INCH)	L.F.	750
	209-05	SEDIMENT REMOVAL	C.Y.	50
	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	5
	701-03	CONCRETE MEDIAN PAVEMENT	C.Y.	125
	702-01.02	CONCRETE CURB	L.F.	480
	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	23
	712-01	TRAFFIC CONTROL	LS	0.5
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	35
	712-06	SIGNS (CONSTRUCTION)	S.F.	242
(3)	713-15.07	SUSPENDED FLAT SHEET ALUMINUM SIGN (0.08" THICK) (R10-12, 30"X36")	EACH	4
(4)	713-16.21	SIGNS (R1-2, 36"x36"x36")	EACH	4
(4)	713-16.22	SIGNS (W3-3, 36"x36")	EACH	4
(3)	713-16.23	SIGNS (STREET NAME SIGNS)	EACH	4
	716-02.04	PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	1470
(5)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	108
(5)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	5
(5)	716-04.12	PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.	75
	716-13.01	SPRAY THERMO PVMT MRKNG (60 MIL)(4 IN LINE)	L.M.	2.5
	717-01	MOBILIZATION	LS	0.5
	730-01.02	REMOVAL OF SIGNAL EQUIPMENT	EACH	1
	730-02.09	SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE)	EACH	4
	730-02.17	SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATE)	EACH	4
	730-03.21	INSTALL PULL BOX (TYPE B)	EACH	15
(2)	730-05.01	ELECTRICAL SERVICE CONNECTION	EACH	2
	730-05.03	SERVICE CABLE (2 CONDUCTOR, # 6 AWG)	L.F.	450
	730-08.03	SIGNAL CABLE - 7 CONDUCTOR	L.F.	750
	730-11.01	STEEL CONDUIT RISER ASSEMBLY	EACH	2
	730-12.01	CONDUIT 1" DIAMETER (PVC)	L.F.	1000
	730-12.02	CONDUIT 2" DIAMETER (PVC)	L.F.	60
	730-12.03	CONDUIT 3" DIAMETER (PVC)	L.F.	25
	730-12.07	CONDUIT 1" DIAMETER (RGS)	L.F.	125
	730-12.12	CONDUIT 1" DIAMETER (JACK AND BORE)	L.F.	175
	730-12.14	CONDUIT 3" DIAMETER (JACK AND BORE)	L.F.	175
	730-12.16	CONDUIT (1" DIAMETER RGS - JACK AND BORE)	L.F.	225
(8)	730-13.02	VEHICLE DETECTOR (VIDEO)	EACH	4
	730-13.03	VEHICLE DETECTOR (4 - CHANNEL, RACK MOUNT)	EACH	3
	730-14.01	SHIELDED DETECTOR CABLE	L.F.	1600
	730-14.02	SAW SLOT	L.F.	175
	730-14.03	LOOP WIRE	L.F.	375
	730-15.32	CABINET (EIGHT PHASE BASE MOUNTED)	EACH	1
	730-16.02	EIGHT PHASE ACTUATED CONTROLLER	EACH	1
	730-23.80	CANTILEVER SIGNAL SUPPORT (1 ARM @ 40')	EACH	1
	730-23.88	CANTILEVER SIGNAL SUPPORT (1 ARM @ 45')	EACH	1
(7)	730-23.96	CANTILEVER SIGNAL SUPPORT (1 ARM @ 55')	EACH	1
(7)	730-23.97	CANTILEVER SIGNAL SUPPORT (1 ARM @ 65')	EACH	1
	740-10.03	GEOTEXTILE (TYPE III) (EROSION CONTROL)	S.Y.	54
(6)	801-03	WATER (SEEDING AND SODDING)	M.G.	0.1
(6)	803-01	SODDING (NEW SOD)	S.Y.	10

FOOTNOTES:

(1) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.

(2) THE CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING THE LOCAL UTILITY TO OBTAIN THE ESTIMATE FOR ANY CHANGES BY THE UTILITY FOR PROVIDING ELECTRICAL SERVICE TO THE PROJECT. THESE CHARGES SHALL BE INCLUDED IN THE PRICE FOR ITEM NO. 730-05.01 FOR PAYMENT BY THE CONTRACTOR. INCLUDES 50 AMP, 2 POLE WEATHER PROOF EXTERNAL DISCONNECT. ENCLOSURE SHALL BE METALLIC WITH 50 AMP SINGLE POLE CIRCUIT BREAKER.

(3) SIGN TO BE MOUNTED ON MAST ARMS.

(4) SIGN SUPPORT POST SHALL BE MEMBER DESIGNATION "P5".

(5) THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THE THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.

(6) ITEM TO BE USED FOR FINAL STABILIZATION AROUND PULL BOXES, SIGNAL POLES, AND CONTROLLER CABINET.

(7) ITEM TO INCLUDE ADDITIONAL HEIGHT AND 15' MAST ARM FOR LUMINAIRE MOUNTING BY OTHERS AT 35' MOUNTING HEIGHT.

(8) TO INCLUDE 4 CAMERAS, VIDEO PROCESSORS, 725 FEET OF CABLE PER MANUFACTURER AND ALL APPURETENANCES NECESSARY FOR A COMPLETE SYSTEM.

SUMMARY OF QUANTITIES - ITEM NO. 712-06

SIGN NO.	DESCRIPTION	SIZE (IN.)	NUMBER REQUIRED
G20-2A	END ROAD WORK	36X18	4
W20-1	ROAD WORK 1/2 MILE	48X48	4
W20-1	ROAD WORK 1000 FEET	48X48	4
W20-1	ROAD WORK 500 FEET	48X48	4
W20-7a	FLAGGER AHEAD	48X48	2

NOTES:

(1) ITEM 712-06, SIGNS (CONSTRUCTION), INCLUDES SIGNS SHOWN AND IS CONSIDERED A ADDITIONAL SIGNS MAY BE REQUIRED BY THE ENGINEER AND WILL BE PAID FOR AT THE PRICE BID FOR ITEM 712-06.

(2) SIGNS SHALL BE LOCATED BY THE CONTRACTOR WITH THE APPROVAL OF THE ENGINEER.

(3) CONSTRUCTION SIGNING AND TRAFFIC CONTROL SHALL CONFORM TO PART VI OF THE ON UNIFORM TRAFFIC CONTROL DEVICES AND SECTION 712 OF THE TENNESSEE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

(4) THE CONTRACTOR IS NOT RELIEVED OF ANY RESPONSIBILITY TO PROVIDE ADEQUATE AND TRAFFIC CONTROL MEASURES BY THE ABOVE.

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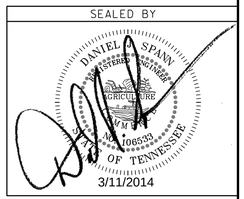

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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